Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

All claims currently being amended are shown with deleted text struckthrough or double bracketed and new text underlined. Additionally, the status of each claim is indicated in parenthetical expression following the claim number.

Claims 1 – 20 remain.

Claims 1, 8, and 15 are being amended.

Claims 6, 13, and 20 are being cancelled.

Claims --- are being added

WHAT IS CLAIMED IS:

1. (Currently Amended)   A method, comprising the steps of:

receiving a test result variable code;

receiving a protocol choice corresponding to the test result variable code;

receiving a treatment code;

determining whether the treatment code corresponds to the protocol choice; and

storing the test result variable code, protocol choice and treatment code;

wherein the test result variable code, protocol choice, and treatment code are stored in a static data structure comprising:

a first code uniquely identifying a protocol grouping assigning priorities to one or more protocol choices based on a range of one or more disease variable values;

a second code identifying a protocol choice selected from the protocol grouping and a justification for selecting the protocol choice;

a third code identifying each procedure, diagnostic test, or treatment performed pursuant to the protocol choice and a justification for selecting each respective procedure, diagnostic test, or treatment; and

a fourth code defining a charge code for all procedures, diagnostic tests,

<u>and treatments performed.</u>

2. (Original) The method of claim 1, further comprising the step of displaying a set of protocol choices corresponding to the test result variable code, from which the protocol choice may be selected.

3. (Original) The method of claim 1, further comprising the step of displaying a set of treatment codes corresponding to the protocol choice, from which the treatment code may be selected .

4. (Original) The method of claim 1, further comprising the step of displaying a warning if the treatment code does not correspond to the protocol choice.

5. (Original) The method of claim 1, further comprising the step of receiving a justification for at least one of the protocol choice and the treatment code.

6. (Cancelled).

7. (Original) The method of claim 1, wherein the test result variable code, protocol choice and treatment code are analyzed for cost accounting and to determine clinical appropriateness.

8. (Currently Amended)   A data processing system having at least a processor and an accessible memory, comprising:

  circuitry for receiving a test result variable code;

  circuitry for receiving a protocol choice corresponding to the test result variable

code;

  circuitry for receiving a treatment code;

  circuitry for determining whether the treatment code corresponds to the protocol

choice; and

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circuitry for storing the test result variable code, protocol choice and treatment code,

wherein the test result variable code, protocol choice, and treatment code are stored in a static data structure comprising:

a first code uniquely identifying a protocol grouping assigning priorities to one or more protocol choices based on a range of one or more disease variable values;

a second code identifying a protocol choice selected from the protocol grouping and a justification for selecting the protocol choice;

a third code identifying each procedure, diagnostic test, or treatment performed pursuant to the protocol choice and a justification for selecting each respective procedure, diagnostic test, or treatment; and

a fourth code defining a charge code for all procedures, diagnostic tests, and treatments performed.

9. (Original) The data processing system of claim 8, further comprising circuitry for displaying a set of protocol choices corresponding to the test result variable code, from which the protocol choice may be selected.

10. (Original) The data processing system of claim 8, further comprising circuitry for displaying a set of treatment codes corresponding to the protocol choice, from which the treatment code may be selected.

11. (Original) The data processing system of claim 8, further comprising circuitry for displaying a warning if the treatment code does not correspond to the protocol choice.

12. (Original) The data processing system of claim 8, further comprising circuitry for receiving a justification for at least one of the protocol choice and the treatment code.

13. (Cancelled)

14. (Original) The data processing system of claim 8, wherein the test result variable

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code, protocol choice and treatment code are analyzed for cost accounting and to determine clinical appropriateness.

15. (Currently Amended)   A computer program product having computer-readable code in a computer-readable medium, comprising:

instructions for receiving a test result variable code;

instructions for receiving a protocol choice corresponding to the test result variable code;

instructions for receiving a treatment code;

instructions for determining whether the treatment code corresponds to the protocol choice; and

instructions for storing the test result variable code, protocol choice and treatment code,

wherein the test result variable code, protocol choice, and treatment code are stored in a data structure comprising:

a first code uniquely identifying a protocol grouping assigning priorities to one or more protocol choices based on a range of one or more disease variable values;

a second code identifying a protocol choice selected from the protocol grouping and a justification for selecting the protocol choice;

a third code identifying each procedure, diagnostic test, or treatment performed pursuant to the protocol choice and a justification for selecting each respective procedure, diagnostic test, or treatment; and

a fourth code defining a charge code for all procedures, diagnostic tests, and treatments performed.

16. (Original) The computer program product of claim 15, further comprising instructions for displaying a set of protocol choices corresponding to the test result variable code, from which the protocol choice may be selected.

17. (Original) The computer program product of claim 15, further comprising instructions

for displaying a set of treatment codes corresponding to the protocol choice, from which the treatment code may be selected.

18. (Original) The computer program product of claim 15, further comprising instructions for displaying a warning if the treatment code does not correspond to the protocol choice.

19. (Original) The computer program product of claim 15, further comprising instructions for receiving a justification for at least one of the protocol choice and the treatment code.

20. (Cancelled)

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